

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03764

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01D69/02 B01D71/62 B01D71/40 B01D71/80 C08F226/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01D C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 304 591 A (GOOD WILLIAM R ET AL) 8 December 1981 (1981-12-08) column 9, line 10 - line 33; claims 1,8,11	1-6,11, 12
A	EP 0 636 404 A (BAYER AG) 1 February 1995 (1995-02-01) abstract; claims 1,2,4,5 page 2, line 24 - line 34	1-14
A	WO 02 09857 A (ISHIHARA KAZUHIKO ; NAKABAYASHI NOBUO (JP); IMAMURA KAZUO (JP); KAM) 7 February 2002 (2002-02-07) abstract	1-14
P, A	WO 02 076593 A (KOCH MEMBRANE SYSTEMS INC) 3 October 2002 (2002-10-03) abstract page 3, line 3 - line 6; claims 1,6,10	1-14
	--- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

30 July 2003

Date of mailing of the international search report

19/08/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Goers, B

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/03764

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 523 510 A (BAYER AG) 20 January 1993 (1993-01-20) page 6, line 5 - line 12 -----	1-14

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/03764

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4304591	A	08-12-1981	US 4177056 A	04-12-1979
EP 0636404	A	01-02-1995	DE 4325650 C1	22-09-1994
			DE 4341601 A1	08-06-1995
			DE 59405007 D1	19-02-1998
			EP 0636404 A1	01-02-1995
			ES 2111214 T3	01-03-1998
			JP 7060085 A	07-03-1995
WO 0209857	A	07-02-2002	AU 7669201 A	13-02-2002
			EP 1306121 A1	02-05-2003
			WO 0209857 A1	07-02-2002
WO 02076593	A	03-10-2002	US 2003015466 A1	23-01-2003
			WO 02076593 A1	03-10-2002
EP 0523510	A	20-01-1993	DE 4123602 A1	21-01-1993
			EP 0523510 A2	20-01-1993
			JP 5184893 A	27-07-1993